ABSTRACT

A moving picture prediction method for enabling a calculation amount and a storage capacity to be reduced in a prediction about a moving picture by scaling processing is provided. A method for predicting the value P of Time T from the value P0 of Time P0 and the value P1 of Time P1 includes a step of judging whether it is possible to generate a predictive value with a predetermined significant number of bits by scaling using Time T0, T1 and T (Step S90); a step of predicting the value P from the values P0 and P1 by scaling using Time T0, T1 and T when it is possible to generate a predictive value with the predetermined significant number of bits (Step S92); and a step of predicting the value P form the values P0 and P1 without using Time T0, T1 and T when it is impossible to generate a predictive value with the predetermined significant number of bits (Step S91).